

ABSTRACT OF THE DISCLOSURE

Methods for press molding a glass body, especially for optical applications, without additional grinding and polishing steps are described. One method is performed with a press mold having an upper mold part, a lower mold part and, if necessary or desired, a ring. In order to improve the quality of the products, especially glass bodies of larger diameters, a voltage is applied across the upper mold part and the lower mold part when the glass body is within the press mold and a pressing force is applied to the glass body when the temperature of the glass body matches the temperature of the press mold.

10 Alternatively, in another method the press mold is cooled after it reaches a predetermined temperature and the pressing force is applied to the glass body in the mold after exceeding the sticking temperature (T_0).